

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-36 (canceled)

37. (withdrawn) A method for preventing or treating nerve damage which comprises administering to a patient in need thereof a therapeutically effective amount of glial derived neurotrophic factor.

38. (withdrawn) The method of claim 37 wherein said nerve damage is Parkinson's disease.

39-40 (canceled)

41. (withdrawn) A method for preventing damage to or treating damaged or improperly functioning dopaminergic nerve cells which comprises administering to a patient in need thereof a therapeutically effective amount of glial derived neurotrophic factor.

42-62 (canceled)

63. (original) A method for preventing or treating nerve damage which comprises implanting cells that secrete glial derived neurotrophic factor into the body of patients in need thereof.

64. (original) The method of claim 63 wherein said patient is suffering from Parkinson's disease.

65. (Previously presented) The method of claim 63 wherein said cells are transformed with a recombinant DNA molecule comprising expression regulatory elements operatively linked to a nucleic acid sequence encoding glial derived neurotrophic factor.

66. (original) The method of claim 63 wherein said cells are naturally occurring cells that secrete glial derived neurotrophic factor.

67. (original) The method of claim 63 wherein said cells are maintained within a biocompatible, semipermeable membrane.

68. (original) The method of claim 63 wherein said glial derived neurotrophic factor is comprised of the amino acid sequence of mature human glial derived neurotrophic factor as set forth in Fig. 19 (SEQ ID NO:5).

69-74 (canceled)